

DEPARTMENT OF TRANSPORTATION

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August 30, 2002

08-Riv-60,91-18.9/19.2, R32.7/R34.8
08-334834
ACNH-X065(075)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in RIVERSIDE COUNTY IN RIVERSIDE ON ROUTE 91 FROM 0.3 KM SOUTH OF MISSION INN AVENUE UNDERCROSSING TO THE 60/91/215 JUNCTION AND ON ROUTE 60 FROM MAIN STREET OVERCROSSING TO 0.2 KM EAST OF ORANGE STREET OVERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on September 12, 2002.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, the Proposal and Contract, and the Federal Minimum Wages with Modification Number 13 dated 8-23-02. A copy of the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

Project Plan Sheets 125, 210, 227, 228, 246, 306, 307, 308, 309, 322, 323, 324, 325, 329, 330 and 376 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 8-1.03, "STATE-FURNISHED MATERIALS," is revised as attached.

In the Special Provisions, Section 10-1.305, "TIRE SHRED BACKFILL," is added as attached.

In the Proposal and Contract, the Engineer's Estimate Item 70 is revised, Item 171 and 172 are added, and Item 170 is deleted as attached.

To Proposal and Contract book holders:

Replace pages 6 and 11 of the Engineer's Estimate in the Proposal with the attached revised pages 6 and 11 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

Addendum No. 1
Page 2
August 30, 2002

08-Riv-60,91-18.9/19.2, R32.7/R34.8
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This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

8-1.03 STATE-FURNISHED MATERIALS

Attention is directed to Section 6-1.02, "State-Furnished Materials," of the Standard Specifications and these special provisions.

The following materials will be furnished to the Contractor:

- A. Sign panels for roadside signs and overhead sign structures.
- B. Laminated wood box posts with metal caps for roadside signs.
- C. Hardware for mounting sign panels as follows:
 - 1. Blind rivets for mounting overlapping legend at sign panel joints.
 - 2. Closure inserts.
 - 3. Aluminum bolts and nuts and steel beveled washers for mounting laminated sign panels on overhead sign structures.
 - 4. Aluminum bolts, nuts, and washers for mounting overhead formed panels.
- D. Model 170 controller assembly assemblies, including controller unit, completely wired controller cabinet, and inductive loop detector sensor units.
- E. Equipment for retaining wall monitoring system as follows:
 - 1. Pressure cells (RocTest Model EPC), concrete support pads and readout wire.
 - 2. Vibrating wire strain gages (RocTest Model SM-2W) and readout wire.
 - 3. Temperature sensors (RocTest Model TH-1) and readout wire.
 - 4. Tilt meters (RocTest Model 801S) and readout wire.
 - 5. Cable to connect instruments to datalogger (RocTest ICR-41A).
 - 6. Datalogger (Campbell Scientific Model AM16).
 - 7. Solar panel (Campbell Scientific Model MSX20)

Padlocks for the backflow preventer assembly enclosures and irrigation controller enclosure cabinets will be furnished to the Contractor.

The Contractor shall notify the Engineer not less than 48 hours before State-furnished material is to be picked up by the Contractor. A full description of the material and the time the material will be picked up shall be provided.

State-furnished controller assembly will be furnished to the Contractor at the Department of Transportation Redistribution Warehouse located at 175 Cluster Street, San Bernardino, California.

Tire shred backfill will be furnished to the Contractor on site for Retaining Wall No. 91-119.

10-1.305 TIRE SHRED BACKFILL

Tire shred backfill shall consist of placing and compacting State-furnished tire shred backfill; and furnishing, placing, and compacting soil cover at Retaining Wall No. 91-119 to the limits designated on the plans. Tire shred backfill shall conform to the requirements specified for structure backfill in Section 19, "Earthwork," of the Standard Specifications and these special provisions.

Attention is directed to "State-Furnished Materials" of these special provisions for State-furnished tire shred backfill material.

The Contractor shall handle the tire shreds in a workmanlike manner to prevent the segregation or contamination of the tire shreds.

No on-site storage is available for tire shred backfill.

The Contractor shall be responsible for providing their weekly preferred tire shred delivery quantity and schedule to the Engineer for review and approval at least 14 days in advance of the delivery week. The delivery schedule will be set by the Engineer based on the information provided by the Contractor.

The Contractor shall meet with the Engineer at least 2 days in advance of the last tire shred delivery week to determine the appropriate final quantity of tire shreds to be delivered. The final delivered quantity of tire shreds shall be subject to the approval of the Engineer. The tire shreds may be delivered at any rate up to 100 cubic meters per day, unless otherwise agreed to and approved by the Engineer. Delivery of tire shreds shall occur between the hours of 0600 and 1800, Monday through Saturday. No Sunday or Holiday delivery will be allowed without written approval of the Engineer.

The Contractor shall provide all equipment and personnel necessary to receive tire shred delivery based on the approved schedule. The material shall be delivered and off-loaded directly to the tire shred backfill.

The subgrade to receive tire shred backfill material, immediately prior to spreading, shall be scarified to a depth of a minimum of 200 millimeters, and compacted to a minimum of 90 percent. Tire shreds shall not be placed on soil containing organic matter.

Where shown on the plans, the tire shred backfill shall be encapsulated in a layer of filter fabric. The filter fabric shall meet the requirements of AASHTO M288-96, Class 2 (elongation less than 50%) and AASHTO M288-96, Stabilization Geotextile. Seams shall be overlapped a minimum of 450 mm. Overlaps shall be in the direction of backfill placement (previous roll on top).

The drainage system shall consist of weep holes and filter fabric as shown on the plans. A filter fabric meeting the requirements of Section 88-1.03 for underdrain filter fabric shall be placed encapsulating tire shred backfill material. Weep holes shall be as shown on the plans, except that pervious backfill will not be required. Full compensation for furnishing and placing the drainage system (weep holes and filter fabric) shall be considered as included in the contract unit price paid for shredded tire placement per cubic meter. No additional compensation will be allowed therefor.

A tolerance of 50 mm above the required grade and cross section will be allowed for the tire shred backfill. A tolerance of 75 mm below the required grading plane and cross section will be allowed for the tire shred backfill. Compaction below the grading plane for the tire shred backfill shall be compacted to the requirements of Section 19-3.06, "Structure Backfill" of the Standard Specifications.

Tire shred backfill may be placed by dumping from trucks or by any other method approved by the Engineer, as long as segregation of the tire shreds is minimized. Spreading of tire shreds should be accomplished using track-mounted equipment.

Tire shred backfill shall be compacted in lifts of a maximum 300 mm thickness of the compacted material. Each layer of the tire shreds shall be placed over the full width of the section. The tire shreds shall be spread with any equipment deemed suitable by the Contractor and approved by the Engineer. The tire shreds as spread shall be well mixed with no pockets of either fine or coarse tire shreds. Compaction shall be obtained by a minimum of six complete coverage passes using vibratory smooth drum steel roller compaction equipment imposing a minimum static weight of 10 tonnes, or by another method as approved by the Engineer.

If the top of any layer becomes contaminated by addition of foreign material, including, but not limited to, soil, organic matter, oil, grease, gasoline, or diesel fuel, the contaminated material shall be removed and replaced with the specified material at no additional cost.

The side slopes and top of the tire shred backfill layer shall be covered by a 0.6 m thick low permeability soil cover (for tire shred backfills greater than 1 m thick). The soil shall have a minimum of 30 percent and a maximum of 60 percent passing the 75 μ m sieve size using California Test Method 202. The soil shall have a minimum pH of 5.5 and a maximum pH of 8.5 using California Test Method 643. The low permeability cover shall be placed and compacted according to the requirements of Section 19-3.06, "Structure Backfill" of the Standard Specifications.

Settlement monuments shall be furnished and installed by the Contractor with the assistance of State forces. Settlement monuments shall be placed at each instrument station at a depth of 0.6 meters below grade. The total quantity of tire shred backfill placed will be measured by the cubic meter.

The contract price paid per cubic meter for place tire shred backfill shall include full compensation for furnishing all labor, materials (excluding State-furnished tire shreds), tools, equipment, and incidentals, and for doing all the work involved in placing and compacting State-furnished tire shreds for backfill, complete in place, including drainage system, and furnishing, placing and compacting soil cover, as shown on the plans, as specified in these special provisions, and as directed by the Engineer.

Full compensation for furnishing and installing settlement monuments for tire shred backfill shall be considered as included in the contract price paid per cubic meter for tire shred backfill and no additional compensation will be allowed therefor.

ENGINEER'S ESTIMATE

08-334834

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	157562	BRIDGE REMOVAL (PORTION), LOCATION B	LS	LUMP SUM	LUMP SUM	
62	157563	BRIDGE REMOVAL (PORTION), LOCATION C	LS	LUMP SUM	LUMP SUM	
63	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
64	190101	ROADWAY EXCAVATION	M3	9320		
65 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	4996		
66 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	13 516		
67 (F)	192050	STRUCTURE EXCAVATION (TIEBACK WALL)	M3	170		
68 (F)	192055	STRUCTURE EXCAVATION (SOIL NAIL WALL)	M3	830		
69 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	4981		
70 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	15345		
71 (F)	193026	STRUCTURE BACKFILL (TIEBACK WALL)	M3	11		
72 (F)	193028	STRUCTURE BACKFILL (SOIL NAIL WALL)	M3	69		
73 (F)	193030	PERVIOUS BACKFILL MATERIAL	M3	266		
74 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	M3	1482		
75 (F)	197020	EARTH RETAINING STRUCTURE	M2	4333		
76 (S)	197060	SOIL NAIL ASSEMBLY	M	3472		
77	198001	IMPORTED BORROW	M3	76 600		
78 (S)	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
79 (S)	024468	ROCK BLANKET (TYPE 1)	M2	260		
80 (S)	203003	STRAW (EROSION CONTROL)	TONN	8		

ENGINEER'S ESTIMATE**08-334834**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161 (S)	861491	MODIFY SIGNAL (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
162 (S)	861492	MODIFY SIGNAL (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
163 (S)	861493	MODIFY SIGNAL (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
164 (S)	861494	MODIFY SIGNAL (LOCATION 4)	LS	LUMP SUM	LUMP SUM	
165 (S)	861503	MODIFY LIGHTING	LS	LUMP SUM	LUMP SUM	
166 (S)	861504	MODIFY LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
167 (S)	024469	MODIFY COMMUNICATION HUB ASSEMBLY	LS	LUMP SUM	LUMP SUM	
168 (S)	024470	MODIFY FIBER OPTIC COMMUNICATION SYSTEM	LS	LUMP SUM	LUMP SUM	
169 (S)	869075	SYSTEM TESTING AND DOCUMENTATION	LS	LUMP SUM	LUMP SUM	
170	BLANK					
171	029875	PLACE TIRE SHRED BACKFILL	M3	580		
172	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____